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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,817	02/24/2004	Yong Cheol Park	46500-000120/US	1150
30593	7590	10/31/2006	EXAMINER	
HARNES, DICKEY & PIERCE, P.L.C.			ALUNKAL, THOMAS D	
P.O. BOX 8910			ART UNIT	
RESTON, VA 20195			PAPER NUMBER	

2627

DATE MAILED: 10/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/784,817

Applicant(s)

PARK ET AL.

Examiner

Thomas D. Alunkal

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 25-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims **27 and 30** rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 27 recites the limitation "first data block" referring to claim 26. There is insufficient antecedent basis for this limitation in the claim.

Claims 30 recites the limitation "first pointer" referring to claim 28. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims **25-36** rejected under 35 U.S.C. 102^b(~~a~~) as being anticipated by Ohata et al (hereafter Ohata) (US 6,469,978).

Regarding claim 25, Ohata discloses a recording medium having a data structure for managing a data area of the recording medium (Figure 1), comprising a defect management area (Figure 1, DMA areas) storing a first data block (Figure 4), the first

data block having first information including recordation status of the data area (Figure 3 and Column 7, lines 35-39. The control data is used to determine disc format upon initialization), second information including a defect list (Column 8, lines 33-36), and third information including a first pointer pointing to an address where the first information is recorded (Figure 3 and Column 8, line 5).

Regarding claim 26, Ohata discloses wherein the first information indicates recordation status of the data on a recording unit by recording unit basis (Figure 3 discloses that recording is broken down into both zones and sectors).

Regarding claim 27, Ohata discloses wherein the first data block includes at least one recording unit (Figure 4 and Column 8, lines 33-36 disclose that the defect management areas have their own specific areas, i.e. sectors).

Regarding claim 28, Ohata discloses wherein the third information includes a second pointer pointing to an address where the second information is recorded (Figure 5, block 1).

Regarding claim 29, Ohata discloses wherein the address is a first physical sector number of a location where the first information is recorded (Figure 3, and Column 8, line 5-6 which specifies that N is representative of zone number, which are each broken into sectors. Thus, the first sector address is determined).

Regarding claim 30, Ohata discloses wherein the first and second pointers identify most current versions of the first and the second information as of when the third information is recorded (Figure 3 and Column 8, line 5 and Figure 5, block 1).

When third information is initially recorded, it is inherent that most current versions of first and second information are present).

Regarding claim 31, Ohata discloses a method of recording management data on a recording medium (see Abstract), comprising recording a first data block in a defect management area (Figure 4), the first data block having first information including recordation status of a data area (Figure 3 and Column 7, lines 35-39. The control data is used to determine disc format upon initialization), second information including a defect list (Column 8, lines 33-36), and third information including a first pointer pointing to an address where the first information is recorded (Figure 3 and Column 8, line 5).

Regarding claim 32, Ohata discloses wherein the third information includes a second pointer pointing to an address where the second information is recorded (Figure 5, block 1).

Regarding claim 33, Ohata discloses wherein the first and second pointers identify most current versions of the first and the second information as of when the third information is recorded (Figure 3 and Column 8, line 5 and Figure 5, block 1. When third information is initially recorded, it is inherent that most current versions of first and second information are present).

Regarding claim 34, Ohata discloses a method of reproducing data on a recording medium (see Abstract), comprising reproducing at least a portion of data recorded on the recording medium based on a first data block recorded in a defect management area of the recording medium (Figure 4), the first data block having first information including recordation status of a data area (Figure 3 and Column 7, lines 35-

39. The control data is used to determine disc format upon initialization), second information including a defect list (Column 8, lines 33-36), and third information including a first pointer pointing to an address where the first information is recorded (Figure 3 and Column 8, line 5).

Regarding claim 35, Ohata discloses wherein the third information includes a second pointer pointing to an address where the second information is recorded (Figure 5, block 1).

Regarding claim 36, Ohata discloses wherein the first and second pointers identify most current versions of the first and the second information as of when the third information is recorded (Figure 3 and Column 8, line 5 and Figure 5, block 1. When third information is initially recorded, it is inherent that most current versions of first and second information are present).

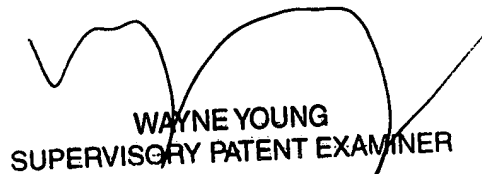
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas D. Alunkal whose telephone number is (571)270-1127. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571)272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Thomas Alunkal
Patent Examiner



WAYNE YOUNG
SUPERVISORY PATENT EXAMINER